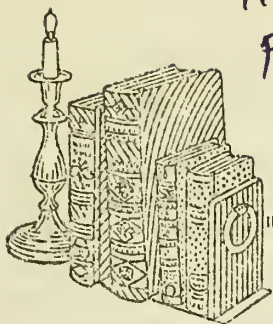


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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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October 1952.

Vol. 11, No. 4.

"USDA workers are men with a mission, and prove to be as eager as the professors to keep up with the literature in their fields."

From article in Library Journal, June 1, 1952.

## NEW BOOKS IN THE LIBRARY

THE ECONOMICS OF POULTRY MANAGEMENT, by H. E. Botsford. Wiley, 1952. 337p.  
281.347 B65

At times poultry husbandry appears to be a favorable financial venture, and at other times it does not. Why? Dr. Botsford says that to answer that question there is need for collating costs of various operations in poultry management, the effect of years and regions on these costs, and some of the basic reasons for costs, returns, and changes in them which occur from time to time. This book was prepared to provide a knowledge of these various economic conditions as they pertain to poultry management. It seems to be a very helpful, practical book for anyone in the poultry business--large or small.

INSECTS, THE YEARBOOK OF AGRICULTURE, 1952. USDA. 780p. 1 Ag84Y

Into this yearbook have gone the results of nearly one hundred years of the study of insects, and it is a fascinating volume. It is also a practical one and gives a great deal of information about the useful insects as well as the harmful ones. A list of the subjects covered by the various sections of the book gives an idea of its scope. Each section contains several articles written by specialists. The sections are: Introducing the insects; How to know an insect; Insects as helpers; Insects as destroyers; The nature of insecticides; Applying insecticides; Warnings as to insecticides; Resistance to insecticides; Fumigants; Quarantines; Other controls; Economic entomology; Insects, man, and homes; Insects on cotton; Insects and vegetables; Insects on fruit; Insects on field crops; Pests on ornamentals; Livestock and insects; Forests, trees, and pests; Insects and wildlife; Bibliography and appendix; Some important insects. The last section is made up of colored plates with a page giving description and control methods.

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IF YOU FIND LIBRARY SERVICE HELPFUL--PERIODICALS AND OTHER PUBLICATIONS, BIBLIOGRAPHIES AND REFERENCE ASSISTANCE--TELL OTHER USDA EMPLOYEES ABOUT IT.

NITROGEN IN THE LIFE OF PLANTS, by D. N. Prianishnikov. Translated from the Russian by S. A. Wilde.. Kramer Business Service, Inc., 1951. 109p.  
463.34 P932Ae

"The book was originally published by the Academy of Sciences, U.S.S.R. in 1945. It presents an account of vital problems in nitrogen nutrition written with a thoroughness characteristic of all of Prianishnikov's papers. A good share of the information is derived from the investigations of the author himself, initiated as early as 1892. ... His ultimate belief was that the practical solution of the nitrogen problem lies in the combination of both technical and biological means of soil enrichment.

The monograph comprises seven chapters, as follows: (1) History of the Nitrogen Problem; (2) The Forms of Nitrogen Available to Plants; (3) Nitrogen Metabolism in Plants and the Role of Ammonia and Amides; (4) Synthesis of Organic Nitrogenous Compounds from Nitrates and Nitrites; (5) The Assimilation of Free Nitrogen by Plants; (6) Relation of Plants to Ammonia and Nitrate Nutrition Depending upon the Reaction of Medium, Concentration of Solution, and Supply of Carbohydrates; (7) Significance of Accompanying Cations and Anions in Ammonia and Nitrate Nutrition." From Agronomy Journal, October 1951.

REPAIRING AND CONSTRUCTING FARM BUILDINGS, by J.C. Wooley. McGraw-Hill, 1952.  
261p. 296 W88R

"Buildings represent a type of essential fixed equipment that must be carefully planned, properly erected, and intelligently maintained. Building maintenance, including preventive and corrective maintenance, is highly important, especially in an age of high costs for both labor and materials. ... The farmer who is a good unspecialized mechanic has the advantage over his neighbor who is neither handy with tools nor particularly concerned with maintenance. Any farmer should be able to do building-repair and construction work himself or know when such work is satisfactorily done by others. This delightful "how-to-do" book gives in simple language the kind of building information every student of agriculture and farmer needs." From Editor's Foreword.

SOIL CONSERVATION DISTRICTS IN ACTION, by W. R. Parks. Iowa State College Press, 1952. 242p. 56.7 P23

"The soil conservation district...offers excellent opportunities for a case study of inter-governmental relations and of the problems and potentialities of lay farmer participation in agricultural administration. The first fifteen years of experience in the operation of the districts throughout the nation are the clinical materials out of which this study is made. It is hoped that this study will prove useful to political scientists, agricultural economists, and professional workers in soil conservation, and also to the 12,000 farmer supervisors of the districts throughout the nation, whose day-to-day decisions are the most important determinant of the districts' success or failure.

Over a period of six years, the writer - first as a member of the staff of the Bureau of Agricultural Economics, and later of the Iowa State College - has studied the inner workings of the soil conservation districts." In this book he writes about beginnings of the soil conservation district, nature of the soil conservation district, gearing local districts into national conservation program, role of district supervisors, increasing supervisors' role in district administration, value of district in achieving soil conservation, and future of the soil conservation districts.

### SOME SPECIAL REPORTS

#### ACTIVITIES OF FAO UNDER THE EXPANDED TECHNICAL ASSISTANCE PROGRAM, 1950-1952.

When we read reports such as those in this bulletin, in the World Health Organization's WHO Newsletter and Unasyuva (both of which are received in this library) and other publications, we are quite conscious of the good the United Nations is doing through its special agencies. Probably our technical assistance programs and similar programs at work in numerous corners of the world are doing as much or more than anything else to combat Communism and promote the peace for which we are all hoping. As citizens of the United States, of the world, we should know about them.

#### REPORT OF THE SECRETARY OF AGRICULTURE, 1951. 1 Ag84

In this report Secretary Brannan discusses briefly agriculture's role in the national economy, the 1951 record, the role of farm programs, foreign farm trade, agriculture's defense program, reorganization of the Department, family farm policy review, and American agriculture faces the future.

#### RESOURCES FOR FREEDOM, a report to the President by The President's Materials Policy Commission. June 1952. 5 volumes.

- Vol. I. Foundations for Growth and Security
- Vol. II. The Outlook for Key Commodities
- Vol. III. The Outlook for Energy Sources
- Vol. IV. The Promise of Technology
- Vol. V. Selected Reports to the Commission

"This report...has as its central task an examination of the adequacy of materials, chiefly industrial materials, to meet the needs of the free world in the years ahead." In Vol. I, Chapter 8 deals with timber resources and Chapter 9 with agricultural resources. Vol. II deals almost entirely with metals and minerals. As its title implies, Vol. III deals with oil, natural gas, coal, and electric energy. In Vol. IV, Chapters 10 and 11 deal with the technology of forest products. In Vol. V, Report 5 is entitled "Domestic Timber Resources"; Report 6, "The Free World's Forest Resources"; and Report 8, "United States Fertilizer Resources."

#### IS THIS A GOOD SUGGESTION?

Suppose five people told us they were interested in seeing new bulletins on range management. When we had received 3 or 4 new bulletins on the subject, we would route them, as a small packet, to those five men, just as we route periodicals, allowing a week in each office. We would secure multiple copies and continue to list such bulletins in the Newsletter for the benefit of those not receiving them automatically as we get them.

We suggest the following subjects--ones in which many of you have been interested: Dairying, The Farm Home, Fertilizers, Grasses and Legumes, Irrigation, Livestock Feeding, Pastures, Range Management, Soils, Weed Control. But these are merely suggestions. You tell us your special subject interest if you like the idea. Maybe new bulletins on your subject will not be issued often, but we shall watch for them and send them to you.

This is just an idea and it may not work well. You can stop the service if it is not helpful. Shall we try it? Let us know if you wish to take part in such a plan.

SELECTED BULLETINS  
Agricultural Economics

- "The Balance Sheet of Agriculture, 1952." USDA Agr. Inf. B. 90, 35p. 1952.  
1 Ag84Ab 90
- "Farm Costs and Returns, 1951 With Comparisons: 20 Types of Commercial Family-Operated Farms in 10 Major Farming Regions." USDA BAE. 1950. 27p.  
1.941 L6F22 93

Conservation

- "Emphasis on Conservation." Wash. Agr. Expt. Sta. Sta. Cir. 186, 44p. 1952.  
100 W27S 186
- "How To Hold A Good Conservation Meeting." U. S. Forest Service. 6p. 1952.

Forestry

- Airplane Spraying for Forest Pest Control." USDA BEPQ. E-823, 21p. 1951.  
1.9 En83
- "Choosing Suitable Times for Prescribed Burning in Southern New Jersey." Northeastern Forest Expt. Sta. Sta. Paper 51, 7p. 1952. 1.9622 N2St22 51
- "Field Book of Forage Plants on Longleaf Pine-Bluestem Ranges." Southern Forest Experiment Station Occasional Paper 127, 117p. 1952. 1.9 F76240
- "Forest Problem Analysis and Research Program for the Missouri Ozarks." Central States Forest Expt. Sta. Misc. Release 7, 57p. 1951. 1.9622 C3M68 7
- "Highlights in the History of Forest Conservation." USDA Agr. Inf. B. 83, 23p. 1952. 1 Ag84Ab 83
- "Species Distribution and Soils in the Harvard Forest." Harvard Forest B. 24, 29p. 1952. 99.9 H264 24
- "Tree Growth and Rainfall--A Study of Correlation and Methods." Smithsonian Miscellaneous Collections. Pub. 4016, 47p. 1950. 500 Sm6M 4016

Grasses

- "Forage Grasses for Hay and Pasture. I. Smooth Brome Varieties." Nevada Agr. Expt. Sta. C. 1, 3p. 1952. 100 N41S 1
- "Influence of Mechanical Treatment on Germination and Longevity of Seed of Various Grasses." SCS, Region 5. 4p. 1952. 1.9607 In32

Insects and Insecticides

- "Control of Potato Insects." USDA Farmers' B. 2040, 52p. 1952. 1 Ag84F 2040
- "New Insecticides: Their Use, Limitations and Hazard to Human Health." Wash. Agr. Expt. Sta. Sta. C. 64, 67p. 1951. 4th revision. 100 W27S

Miscellany

- "The Agricultural Research Center of the United States Department of Agriculture." USDA Agr. Handbook 43, 48p. 1 Ag84Ah 43
- "Cotton Burs and Cotton Bur Ashes as Fertilizer for Cotton on a Claypan Soil." Okla. Agr. Expt. Sta. B. 387, 10p. 1952. 100 Ok4B 387
- "Cultural and Pathogenic Variability in Single-Conidial and Hyphal-Tip Isolates of Helminthosporium turcicum Pass." USDA Tech. B. 1058, 18p. 1952.  
1 Ag84Te 1058

- "A Four-Step Growing House." Wash. Agr. Expt. Sta. C. 192. 1952. 100 W27S
- "The Great Flood." USDA Agr. Inf. B. 81, 37p. 1952. 1 Ag84Ab 81
- "The Inspection Stamp as a Guide to Wholesome Meat." USDA Agr. Inf. B. 92, 23p. 1952. 1 Ag84Ab 92
- "A Method of Seasoning Small Quantities of Lumber." U. S. Forest Products Laboratory. R1608, 6p. 1952. 1.9 F761R
- "Section Tuberarium of the Genus Solanum of North America and Central America." USDA Agr. Monograph 11, 243p. 1952. 1 Ag84Am 11

POPULAR BOOKS ON THE SHELVES AGAIN

- FORAGE AND PASTURE CROPS: A HANDBOOK OF INFORMATION ABOUT THE GRASSES AND LEGUMES GROWN FOR FORAGE IN THE UNITED STATES, by W. A. Wheeler. Van Nostrand, 1950. 752p. 60 W562
- FUNDAMENTALS OF SOIL MECHANICS, by D.W. Taylor. Wiley, 1948. 700p. 56.43 T21
- IRRIGATION PRINCIPLES AND PRACTICES, by O. W. Israelsen. Wiley, 1950. 2nd ed. 405p. 55 Is7 Ed.2
- THE MUSKRAT IN THE LOUISIANA COASTAL MARSHES, by Ted O'Neil. La. Dept. of Wild Life and Fisheries, 1949. 152p.
- A study of the ecological, geological, biological, tidal, and climatic factors governing the production and management of the muskrat industry in La.
- NATURE AND PREVENTION OF PLANT DISEASES, by K. S. Chester. Blakiston, 1947. - 2d ed. 525p. 464 C42 Ed.2
- THE NUTRITIONAL IMPROVEMENT OF LIFE, by H. C. Sherman. Columbia Univ. Press, 1950. 270p. 389.1 Sh5N
- PLANT ECOLOGY, by W.B. McDougall. Lea & Febiger, 1949. 234p. 463.8 M142 Ed.4
- PRACTICAL GRASSLAND MANAGEMENT, by B.W. Allred. Sheep and Goat Raiser Magazine, 1950. 307p. 60.1 AL5
- PRINCIPLES OF GENETICS, by E.W. Sinnott, L. C. Dunn, and T. Dobzhansky. McGraw-Hill, 1950. 4th ed. 505p. 442 Si6 Ed.4
- PSYCHOLOGY IN ACTION, by J. Clawson. Macmillan, 1947. 289p. 140 C57
- SHRUBS AND VINES FOR AMERICAN GARDENS, by D. Wyman. Macmillan, 1949. 442p. 97.3 W98
- WATER, LAND, AND PEOPLE, by Bernard Frank and Anthony Netboy. Knopf, 1950. 331p. 292 F85
- THE WESTERN RANGE LIVESTOCK INDUSTRY, by Marion Clawson. McGraw-Hill, 1950. 401p. 40 C57

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A NOTE TO YOU

Some magazines are not returned to the library. There are various causes for this. On the whole all of you are very good about routing the periodicals from place to place, and we appreciate it. But when for some reason a magazine is not forwarded, some people do not get to see it. When a magazine does not return from its routing, we wonder where it stopped and how many people did not see it. We shall appreciate your continued watchfulness.

# DID YOU KNOW

That some of the USDA men in the region served by Louisiana Branch Library have been receiving the Book-of-the-Month service for four or five years?

When I inquired about continuing the service, one man replied, "By all means keep the books coming." I thought that there must be many men in our region who would like to receive a book every month or every other month--but we do not know who they are. Only you can tell us!

I was looking over some of the lists today and was rather amazed at the amount and variety of reading some men have done while belonging to our Book-of-the-Month group. Would you like to see one man's list? Here it is.

Combs--Growing Pastures in the South	Trippensee--Wildlife Management
Pieters--Green Manuring	Viosca--Pond Fish Culture
Costello--Range Ecology	Howard--Two Billion Acre Farm
Judson--Modern Group Discussion	Johnson--Heaven's Tableland
Faulkner--Plowman's Folly	Renne--Land Economics
Schultz--Agriculture in an Unstable Economy	Barrett--Harnessing the Earthworm
Sanderson--Leadership for Rural Life	Bear--Diagnostic Techniques for Soil and Crops
Pearse--Animal Ecology	DeGraff--The Business of Farming
McDonald--Old McDonald Had A Farm	Crocker--The Growth of Plants
Roemer's Texas	Vogt--The Road to Survival
Tannehill--Drought: Its Causes and Effects	Forman--Soil, Food, and Health
Beaumont--Garden Soils	Lowdermilk--Palestine, Land of Promise
Leird--Increasing Personal Efficiency	Mitchell--Soil and Civilization
Sears--Deserts on the March	Andrews--Cotton Production, Marketing, and Utilization
Sampson--Livestock Husbandry on Range and Pasture	Carter--Man on the Landscape
Deering--USDA, Manager of American Agriculture	Lord--Forever the Land
Reager--You Can Talk Well	Hunger Signs in Crops
Black--Farm Management	Foster--Rainfall and Runoff
Howard--The Soil and Health	Greeley--Forests and Men
Turner--Machines for Farm, Ranch, and Plantation	Duggan--Financing the Farm Business
Bennett--Soils and Agriculture of the Southern States	Wing--The Practice of Wildlife Conservation

How many of those books have you read? Would you like to read some of them? Would you like to belong to our Book-of-the-Month group? You can join simply by sending a note to us. You may indicate subject interests, specify titles you hope to read during the year, or just let us select and send books to you.